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Feed Products and Pet Foods Inspected 1996

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From January 1, 1996 to December 31, 1996 the Department of Analytical Chemistry analyzed 42 samples of feeding stuffs from five different manufacturers. The products were analyzed to determine that the label guarantees were in compliance with State of Connecticut regulations. Included in the survey were products intended for commercial agricultural operations as well as products intended for household pets. The samples were collected by Alton VanDyke and John Schneider of the Connecticut Department of Agriculture. The analyses were performed by Craig Musante and Mamie Pyles under the supervision of Dr. David Stilwell.

In the Table are listed the results of the proximate analysis for each sample, the label guarantee for the product, and results of the analyses for micronutrients. Values are given in percent unless otherwise noted. A deficiency in the protein or fat value is indicated by a minus (-) sign next to the Found column for the parameter. An excess of fiber is indicated by a plus (+) sign next to the Found fiber column. A product is found to be "unsatisfactory" if the found value of a parameter is outside of the value calculated from the label guarantee using the percent analytical variation guidelines recommended by the Association of the American Feed Control Officials. Of the 42 samples analyzed, seven were found to be deficient. Specifically, one was low in protein, two were low in fat, two were high in fiber, and six were unsatisfactory in one or more micronutrients.

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Table 1. Results of Analysis of Feeding Stuffs for Nutrient Content.

MANUFACTURER/Sample	Protein		Fat		Fiber		Moisture		
	% G	% F	% G	% F	% G	% F	% G	% F	Micronutrients
BERNARDSTON FEED MILL									
White Hi Bunk Mix	19.9	21.3	5.4	6.3	4.2	3.8		9.8	calcium 1.27; phosphorus 0.57; selenium 2.1ppm
BLUE SEAL FEEDS									
Blue Seal Song Maker Wild Bird Feed	11	11.3	10	10.2	13	6.1		9.32	
Blue Seal Song Maker Supreme Wild Bird Feed	13	14.2	15	24.4	15	9.28	--	6.82	
Blue Seal Grower-Cal Pellets	15	15.3	3	2.9	4	2.5	--	9.62	calcium 1.16; phosphorus 0.64; *salt (as sodium) 0.052-*
Blue Seal Dairy Maid Mild Replacer	20	19.7	20	21.1	0.15	0.23	--	8.65	calcium 0.73; phosphorus 0.76
Blue Seal Chick Starter-AM	20	19.7	3	3.2	4	2.2	--	9.63	calcium 1.2; phosphorus 0.77; salt (as sodium) 0.29
Blue Seal Game Bird Crumbles	20	20.6	4.5	4.2	4	1.9	--	9.53	calcium 1.0; phosphorus 0.70; salt (as sodium) 0.15
Blue Seal Parrot Diet	13	13.8	11	11.7	14	13.3	--	8.2	
Blue Seal Turkey/Game Bird Starter-Medicated	0	29.5	0	4.7	0	2.4	--	8.5	no guarantees listed
Blue Seal Ultra "27" Dog Food	27	28	15	14.3	4	1.78	12	7.1	
Blue Seal Kat Kare Cat Food	30	30.5	11	11.5	3.5	1	12	7.1	ash 4.7; calcium 0.95; salt (as sodium) 0.32; phosphorus 0.75; magnesium 0.13
Blue Seal Pelleted Beet Pulp	7	7.9	0.3	0.73	22	17.5	--	7.98	
CARGILL, NUTRENA DIV.									
Nutrena Vitality 14 Horse Feed Pellets	14	14.1	3	3.3	6	3.6	--	8.44	
Cargill Milk-Plus	28	28.5	3	3.1	3	2.6	--	7.38	calcium 1.6; phosphorus 1.1; manganese 0.0.04; magnesium 0.26; salt (as sodium) 0.52; *iron 0.07-*; *zinc 0.023-*
Nutrena Pig & Hog Feed (ABF)	15	15.1	2.5	2.8	7	3.5	--	9.31	calcium 1.04; phosphorus 0.72; salt (as sodium) 0.2; selenium 1.04ppm; zinc 115ppm

Table 1. Results of Analysis of Feeding Stuffs for Nutrient Content (continued).

MANUFACTURER/Sample	Protein % G	Protein % F	Fat % G	Fat % F	Fiber % G	Fiber % F	Moisture % G	Moisture % F	Micronutrients
Nutrena 16% Rabbit Pellets	16	18	2.5	2.5	18	12.7	--	7.55	
Nutrena Gold Flake Calf Starter (DQ)(BSV) Medicated	20	21	3	3.6	7	5.5	--	9.67	calcium 1.07; selenium 0.8ppm salt (as sodium) 0.23; phosphorus 0.70;
Nutrena Horse Kwik Ration (ABF)(With Roughage)	14	13.9	2	3.1	20	15.1	--	7.57	calcium 1.36; *copper 21ppm-*; selenium 0.8ppm; phosphorus 0.67; *zinc 79ppm-*
Nutrena Turkey/Gamebird Grower Pellets (ABF)	22	22.2	3	4	6	3.7	--	9.19	
Nutrena Senior Horse Feed (ABF)	14	14.2	5	4.9	16	10.7	--	8.28	calcium 1.30; phosphorus 0.87; selenium 0.8ppm; copper 45ppm; zinc 142ppm
Nutrena Egg Producer Meal (ABF)	16	16.3	3	3.4	4.5	3.1	--	8.52	calcium 3.83; phosphorus 0.70; sodium 0.13; *salt (as sodium) 0.20-*
Nutrena Vitality-14 Sweet Feed (ABF)	14	15.2	3	2.8	7	7	--	9.64	calcium 0.92; phosphorus 0.66; selenium 0.6ppm; boron 8ppm; copper 28ppm; zinc 146ppm
Nutrena Excel 16 Dairy Feed	16	16.4	2.5	3.8	10	10.2	--	8.61	
Nutrena Vitality 12% Sweet Feed (ABF)	12	12.4	3	3.5	6	4.4	--	11.1	*calcium 1.5+;* phosphorus 0.62; selenium 0.5ppm; boron 6.6; copper 64ppm; zinc 136ppm
Stonington Feeds Premium Wild Bird Mix	20.2	22.2	19.1	21.7	22.1	20.7	--	6.9	
Stonington Feeds Economy Bird Mix	13.3	16.3	8.9	7.3-	12.5	5.4	--	9.95	
K&L FEED MILL									
K&L Oakridge Mix	22	21.9	5.3	5.3	8.9	7	--	7.11	calcium 0.33; phosphorus 0.5
K&L Dairy 26%	26	26.4	3.5	5.4	5.5	4.5	--	8.31	calcium 1.52; phosphorus 0.76
K&L Dairy 20%	20	21.2	3.6	4.3	8.1	7.4	--	8.61	calcium 1.4; phosphorus 0.78
K&L Hominy Mix	17	17.7	3.5	3.9	2.5	2.7	--	9.24	calcium 1.3; phosphorus 0.33
K&L Alfalfa-Maize Cubes	12.9	14.2	0	0	77	22	--	7.11	
K&L Dairy 16%	16	17.4	3.6	3.8	8.1	6.9		9.0	calcium 1.59; phosphorus 0.74

Table 1. Results of Analysis of Feeding Stuffs for Nutrient Content (continued).

MANUFACTURER/Sample	Protein		Fat		Fiber		Moisture		
	% G	% F	% G	% F	% G	% F	% G	% F	Micronutrients
K&L Layer 15%	15	14.9	3	3.3	3.2	2.5	--	8.03	calcium 5.4; phosphorus 0.62
K&L Custom Diet (Chicken)	20.5	20.4	6	6.8	5.5	4.5	--	8.01	calcium 1.1; phosphorus 0.8
WAUREGAN GRAIN CO.									
Wauregan Pace Setter Stableman's Choice 14	14	15.4	3	3	9	9	--	12.4	calcium 0.74; phosphorus 0.74; selenium 0.4ppm; copper 23ppm; zinc 117ppm
Wauregan 16% Dairy Pellets—Bulk	16	15.1-	4	3.5-	7	12.3+	--	10	
Wauregan Layer	15	14.5	3	2.9	4	2.2	--	11.2	calcium 3.9; phosphorus 0.5; *salt (as sodium) 0.008-*
Wauregan Rabbit Pellets	20	20.1	2.5	3.1	18	13	--	8.77	
Wauregan 16% Pork Maker Plus	16	16.7	3	3.1	4.5	6.1+	--	11	
Wauregan Pace Setter Horse Feeds Equine Complete	14	15.3	3	2.83	16	16.3	--	10.7	calcium 1.2; phosphorus 0.71; selenium 0.5ppm; copper 27ppm; zinc 120ppm
Wauregan Pace Setter Horse Feeds Trail Ride 12	12	14.3	3.5	3.3	12.5	10.7	--	9.63	calcium 1.1; phosphorus 0.71; selenium 0.8ppm; copper 44ppm; zinc 188ppm
Wauregan Pace Setter Horse Feeds Performance Plus Pelleted	13	13	5	4.7	11	10.1	--	9.19	calcium 0.9; phosphorus 0.70; selenium 0.8ppm; copper 24ppm; zinc 125ppm

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